



S. S. N<sup>o</sup> 235.

Also N<sup>o</sup> 236 & 237.

app. 11/10/09.

PROFILE.

LENGTH OVER STEM & STERNPOST	421'-10"	BREADTH	55'-00"
BREADTH MOULDED	55'-0"	DEPTH	31'-25"
DEPTH MOULDED TO UPPER DECK	31'-3"	TRANSVERSE NUMBER	86.25 = (84 - 87)
" " " " 2 <sup>ND</sup> DECK	23'-1"	" " " " " " " "	421.83
L: D TO UPPER-DECK	13.498	LONGITUDINAL	36382 = (34000 - 36800)
" " " " BRIDGE	10.48		

CLASS: LLOYD'S REGISTER \* 100 A1 STEEL.

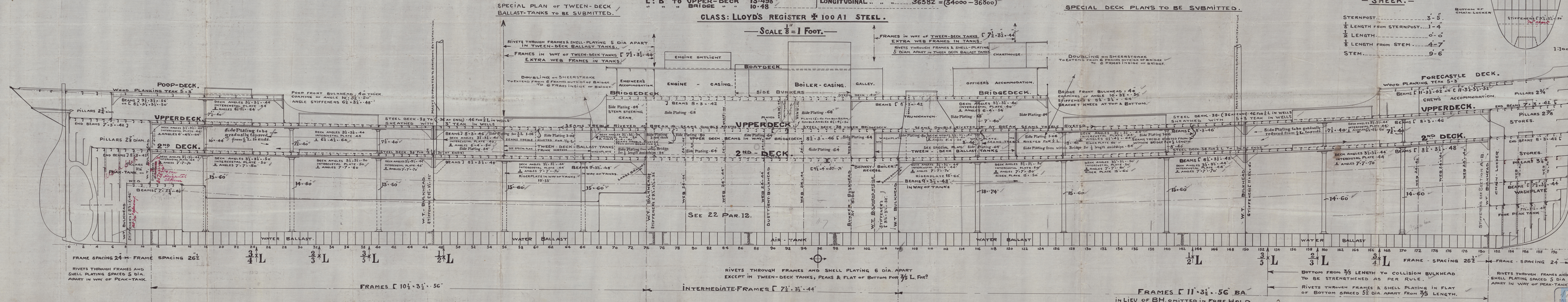
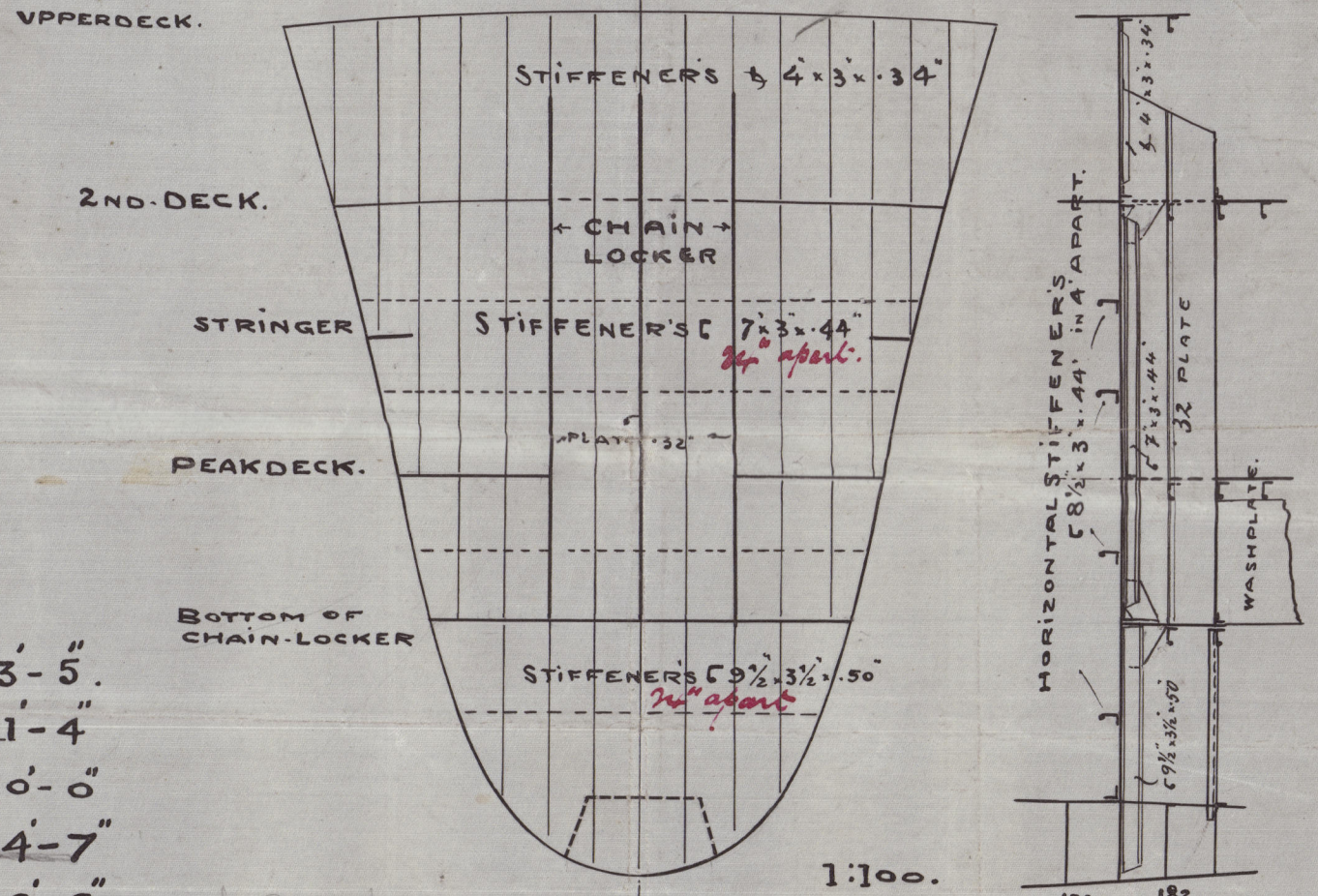
SCALE  $\frac{1}{8} = 1$  FOOT.

SPECIAL DECK PLANS TO BE SUBMITTED.

- SHEER -

STERNPOST	3'-5"
$\frac{1}{8}$ LENGTH FROM STERNPOST	1'-4"
$\frac{1}{2}$ LENGTH	0'-0"
$\frac{1}{8}$ LENGTH FROM STEM	4'-7"
STEM	9'-6"

ARRANGEMENT OF STIFFENERS FROM COLLISION BULKHEAD, SECTION A-B.



RIVETS THROUGH FRAMES AND SHELL PLATING 6 DIA. APART EXCEPT IN TWEEN-DECK TANKS, PEAKS & FLAT OF BOTTOM FOR  $\frac{3}{5}$  L. FOR 2

FRAMES [ 11' x 3 1/2' x 56' BA. IN LIEU OF B.H. OMITTED IN FORE HOLD.

BOTTOM FROM  $\frac{3}{5}$  LENGTH TO COLLISION BULKHEAD TO BE STRENGTHENED AS PER RULE. RIVETS THROUGH FRAMES & SHELL PLATING IN FLAT OF BOTTOM SPACED 5 1/2 DIA. APART FROM  $\frac{3}{5}$  LENGTH.

JOHN C. TECKLENBURG A-G. REGISTERED ARCHITECT. 18.06.09. 1912.



S.S. Penna.

Built 1910 at  
Wesermünde S.

Spare copy of  
Midship Section

(File with H. ref.)



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Lloyd's Register  
Foundation

W208-0094



# S. S. N<sup>o</sup> 235. MIDSHIP-SECTION.

Also No. 236727  
Apr. 11/1909

Length over Stem & Sternpost 421' 10" = 128,575 Mts.  
Breadth moulded 55' 0" = 16,765"  
Depth moulded to Upperdeck 31' 3" = 9,525"  
" " " 2nd Deck 23' 1" = 7,036"  
Height from Top of Marginplate to 2nd Deck 19' 5" = 5,916"

Class: Lloyd's Register 100A.1 Steel.

Scale 1/2" = 1'

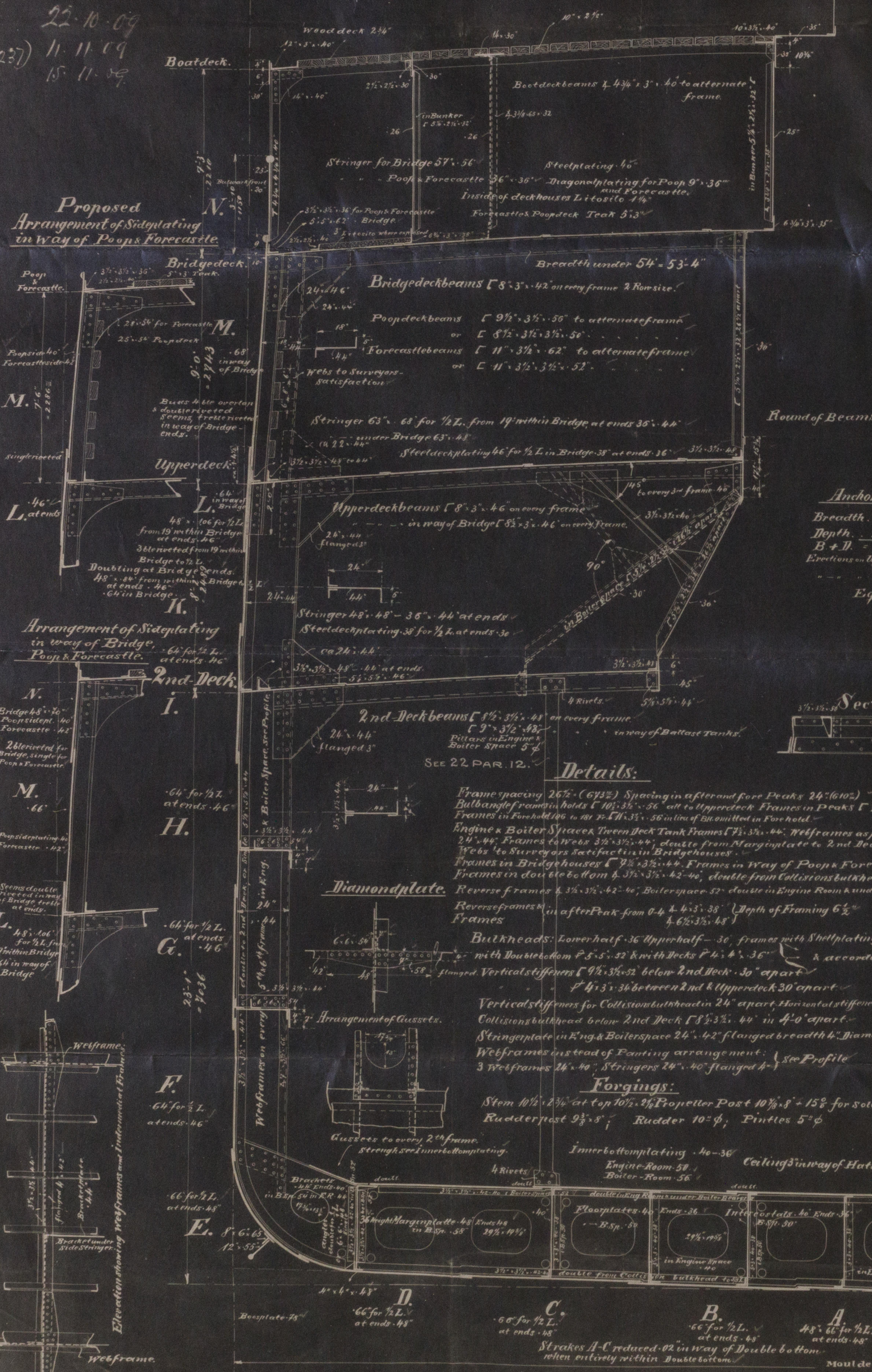
Transverse No. (B+D) = 86.25 (84-87) Longitudinal No. L. (B+D) = 36.82 (34-38) (34000-36800)  
55' 31.25 421.83-86.25

L: D to Upperdeck 13.498.

L: D to Bridge 10.48.

Table of equivalent Sections.

Frames in whole	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Frames in Forehold	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Frames in Peaks	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Intermediate Frames	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Bulkhead Stiffeners below 2nd Deck	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Bulkhead Stiffeners above 2nd Deck	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Horizontal Stiffeners for Collision Bulkhead	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
2nd Deck Beams	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
2nd Deck Beams in way of Bulkhead Tank	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Upperdeck Beams	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Bridge Deck Beams	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Pooped Deck Beams	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Forecastle Beams	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"
Upperdeck Beams in way of Bridge	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 3/4"



## Section through Girders.

Breadth 55.00  
Depth 31.25  
B+D = 86.25 421.83 = 36.82  
Erections on Upperdeck 10.06  
Bridge 3.51  
Equipment Number 3340 (See notes)

## Section through Bulkhead.

See Profile.

## Riveting.

Flat plate keel double straps and treble riveted for 1/2".  
Butts of Upperdeck Sheers trake double straps and treble riveted for 1/2".  
Upperdeck Sheers trake at ends and in way of Bridge overlap and treble riveted for 1/2".  
Butts of Strake below Sheers trake double straps and treble riveted for 1/2".  
M&N (respectively only Strake M) Double Butts straps treble riveted for 1/2".  
A lap joint of Bridge overlap and 4 treble riveted for 1/2".  
Butts of outsidelap joint from upper turn of Bridge to Strake below Sheers trake overlap and treble riveted all fore and aft and 4 treble riveted for 1/2".  
Butts of Poop & Forecastle Erections overlap and 4 treble riveted for 1/2".  
Butts of Bridge deck stringer plate overlap and 4 treble riveted for 1/2".  
Bridge deck stringer plate overlap and 3 all fore and aft.  
Bridge and 2nd Deck stringer overlap and double riveted for 1/2".  
Upperdeck treble riveted Butts for 1/2".  
Double Bottom: Butts of centre-girders 3 treble riveted overlap for 1/2".  
Marginplate.  
Middleline strake.  
Butts of Doublebottom sideplating double riveted for 1/2".  
Edges of Sheers trake 3 treble riveted for 1/2".  
Outsidelap joint from keel to Strake below Sheers trake double riveted all fore and aft.  
Poop Forecastle Bulkheads overlap and single riveted.  
Middleline strake of innerbottom double riveted all fore and aft.  
Innerbottom plating overlap and single riveted.

## Section through Bulkhead.

See Profile.